

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101785220A  
Source: FEW/16  
Date Processed by STIC: 4-0-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

10/785,220A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH-ALPHA HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1  Wrapped Nucleic  
   Wrapped Aminos      The number(s) at the end of each line "wrapped" down to the next line. This may occur if your file was received in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2  Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3  Misaligned Amino  
  Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4  Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5  Variable Length      Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.

- 6  PatentIn 2.0  
  "bug"      A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequence(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.

- 7  Skipped Sequences  
(OLD RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)  
(ii) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped

- 8  Skipped Sequences  
(NEW RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
<210> sequence id number  
<400> sequence id number  
000

- 9  Use of n's or Xaa's  
(NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>.<221> is MANDATORY if n's or Xaa's are present  
in <220> to <223> section. Please explain location of n or Xaa, and which residue n or Xaa represents.

- 10  Invalid <211>  
Response      Per 1.823 of Sequence Rules, the only valid <211> responses are Unknown, Artificial Sequence or  
scientific name (Genus/species). <220>.<221> section is required when <211> response is Unknown.....

- 11  Use of <220>

Use of <220> to <223> is MANDATORY if <211> "Organism" response is "Artificial Sequence" or  
"Unknown". Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol 63, No 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12  PatentIn 2.0  
  "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/785,220A**

**DATE: 04/06/2005**  
**TIME: 14:13:57**

**Input Set : A:\39780-1216.TXT**  
**Output Set: N:\CRF4\04062005\J785220A.raw**

```

4 <110> APPLICANT: Ashkenazi, Avi J.
5     Fong, Sherman
6     Goddard, Audrey
7     Gurney, Austin L.
8     Napier, Mary A.
9     Tumas, Daniel
10    Wood, William I.
12 <120> TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR
13    THE TREATMENT OF DISEASES CHARACTERIZED BY A33- RELATED
14    ANTIGENS
16 <130> FILE REFERENCE: P1216R1C1D4
18 <140> CURRENT APPLICATION NUMBER: 10/785,220A
19 <141> CURRENT FILING DATE: 2004-02-24
21 <150> PRIOR APPLICATION NUMBER: US 09/254,465
22 <151> PRIOR FILING DATE: 1999-03-05
24 <150> PRIOR APPLICATION NUMBER: PCT/US98/24855
25 <151> PRIOR FILING DATE: 1998-11-20
27 <150> PRIOR APPLICATION NUMBER: US 60/066,364
28 <151> PRIOR FILING DATE: 1997-11-21
30 <150> PRIOR APPLICATION NUMBER: US 60/078,936
31 <151> PRIOR FILING DATE: 1998-03-20
33 <150> PRIOR APPLICATION NUMBER: PCT/US98/19437
34 <151> PRIOR FILING DATE: 1998-09-17
36 <160> NUMBER OF SEQ ID NOS: 30
38 <170> SOFTWARE: FastSEQ for Windows Version 4.0
40 <210> SEQ ID NO: 1
41 <211> LENGTH: 299
42 <212> TYPE: PRT
43 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 1
46 Met Gly Thr Lys Ala Gln Val Glu Arg Lys Leu Leu Cys Leu Phe Ile
47   1           5           10          15
48 Leu Ala Ile Leu Leu Cys Ser Leu Ala Leu Gly Ser Val Thr Val His
49   20          25          30
50 Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu
51   35          40          45
52 Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg Val Glu Trp Lys Phe
53   50          55          60
54 Asp Gln Gly Asp Thr Thr Arg Leu Val Cys Tyr Asn Asn Lys Ile Thr
55   65          70          75          80
56 Ala Ser Tyr Glu Asp Arg Val Thr Phe Leu Pro Thr Gly Ile Thr Phe
57   85          90          95
58 Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser

```

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 3-4) ↗

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/785,220A

DATE: 04/06/2005  
TIME: 14:13:57

Input Set : A:\39780-1216.TXT  
Output Set: N:\CRF4\04062005\J785220A.raw

|     |  |     |     |
|-----|--|-----|-----|
| 59  | 100  | 105 | 110 |
| 60  | Glu Glu Gly Gly Asn Ser Tyr Gly Glu Val Lys Val Lys Leu Ile Val  |     |     |
| 61  | 115  | 120 | 125 |
| 62  | Leu Val Pro Pro Ser Lys Pro Thr Val Asn Ile Pro Ser Ser Ala Thr  |     |     |
| 63  | 130  | 135 | 140 |
| 64  | Ile Gly Asn Arg Ala Val Leu Thr Cys Ser Glu Gln Asp Gly Ser Pro  |     |     |
| 65  | 145  | 150 | 155 |
| 66  | Pro Ser Glu Tyr Thr Trp Phe Lys Asp Gly Ile Val Met Pro Thr Asn  |     |     |
| 67  | 165  | 170 | 175 |
| 68  | Pro Lys Ser Thr Arg Ala Phe Ser Asn Ser Ser Tyr Val Leu Asn Pro  |     |     |
| 69  | 180  | 185 | 190 |
| 70  | Thr Thr Gly Glu Leu Val Phe Asp Pro Leu Ser Ala Ser Asp Thr Gly  |     |     |
| 71  | 195  | 200 | 205 |
| 72  | Glu Tyr Ser Cys Glu Ala Arg Asn Gly Tyr Gly Thr Pro Met Thr Ser  |     |     |
| 73  | 210  | 215 | 220 |
| 74  | Asn Ala Val Arg Met Glu Ala Val Glu Arg Asn Val Gly Val Ile Val  |     |     |
| 75  | 225  | 230 | 235 |
| 76  | Ala Ala Val Leu Val Thr Leu Ile Leu Leu Gly Ile Leu Val Phe Gly  |     |     |
| 77  | 245  | 250 | 255 |
| 78  | Ile Trp Phe Ala Tyr Ser Arg Gly His Phe Asp Arg Thr Lys Lys. Gly |     |     |
| 79  | 260  | 265 | 270 |
| 80  | Thr Ser Ser Lys Lys Val Ile Tyr Ser Gln Pro Ser Ala Arg Ser Glu  |     |     |
| 81  | 275  | 280 | 285 |
| 82  | Gly Glu Phe Lys Gln Thr Ser Ser Phe Leu Val                      |     |     |
| 83  | 290  | 295 |     |
| 86  | <210> SEQ ID NO: 2   |     |     |
| 87  | <211> LENGTH: 321  |     |     |
| 88  | <212> TYPE: PRT  |     |     |
| 89  | <213> ORGANISM: Homo sapiens                                     |     |     |
| 91  | <400> SEQUENCE: 2  |     |     |
| 92  | Met Gly Ile Leu Leu Gly Leu Leu Leu Leu Gly His Leu Thr Val Asp  |     |     |
| 93  | 1  | 5   | 10  |
| 94  | 15   |     |     |
| 95  | Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr Gly Pro  |     |     |
| 96  | 20   | 25  | 30  |
| 97  | Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro Leu Gln Gly  |     |     |
| 98  | 35   | 40  | 45  |
| 99  | Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg Gly Ser Asp Pro  |     |     |
| 100 | 50   | 55  | 60  |
| 101 | Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp His Ile Gln Gln Ala  |     |     |
| 102 | 65   | 70  | 75  |
| 103 | 80   |     |     |
| 104 | Lys Tyr Gln Gly Arg Leu His Val Ser His Lys Val Pro Gly Asp Val  |     |     |
| 105 | 85   | 90  | 95  |
| 106 | Ser Leu Gln Leu Ser Thr Leu Glu Met Asp Asp Arg Ser His Tyr Thr  |     |     |
| 107 | 100  | 105 | 110 |
| 108 | Cys Glu Val Thr Trp Gln Thr Pro Asp Gly Asn Gln Val Val Arg Asp  |     |     |
| 109 | 115  | 120 | 125 |
| 110 | Lys Ile Thr Glu Leu Arg Val Gln Lys Leu Ser Val Ser Lys Pro Thr  |     |     |
| 111 | 130  | 135 | 140 |
| 112 | Val Thr Thr Gly Ser Gly Tyr Gly Phe Thr Val Pro Gln Gly Met Arg  |     |     |

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/785,220A

DATE: 04/06/2005  
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Input Set : A:\39780-1216.TXT  
Output Set: N:\CRF4\04062005\J785220A.raw

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111 145          150          155          160
112 Ile Ser Leu Gln Cys Gln Ala Arg Gly Ser Pro Pro Ile Ser Tyr Ile
113          165          170          175
114 Trp Tyr Lys Gln Gln Thr Asn Asn Gln Glu Pro Ile Lys Val Ala Thr
115          180          185          190
116 Leu Ser Thr Leu Leu Phe Lys Pro Ala Val Ile Ala Asp Ser Gly Ser
117          195          200          205
118 Tyr Phe Cys Thr Ala Lys Gly Gln Val Gly Ser Glu Gln His Ser Asp
119          210          215          220
120 Ile Val Lys Phe Val Val Lys Asp Ser Ser Lys Leu Leu Lys Thr Lys
121 225          230          235          240
122 Thr Glu Ala Pro Thr Thr Met Thr Tyr Pro Leu Lys Ala Thr Ser Thr
123          245          250          255
124 Val Lys Gln Ser Trp Asp Trp Thr Thr Asp Met Asp Gly Tyr Leu Gly
125          260          265          270
126 Glu Thr Ser Ala Gly Pro Gly Lys Ser Leu Pro Val Phe Ala Ile Ile
127          275          280          285
128 Leu Ile Ile Ser Leu Cys Cys Met Val Val Phe Thr Met Ala Tyr Ile
129          290          295          300
130 Met Leu Cys Arg Lys Thr Ser Gln Gln Glu His Val Tyr Glu Ala Ala
131 305          310          315          320
132 Arg

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136 <210> SEQ ID NO: 3  
137 <211> LENGTH: 390

138 <212> TYPE: DNA  
139 <213> ORGANISM: Artificial Sequence

141 <220> FEATURE:

142 <223> OTHER INFORMATION: Artificial sequence

144 <400> SEQUENCE: 3

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145 cttcttgcca actggtatca ccttcaagtc cgtgacacgg gaagacactg ggacatacac 60
146 ttgtatggc tctgaggaag gcggcaacag ctatggggag gtcaaggta agctcatcg 120
147 gcttgcct ccattcaagc ctacagttaa catcccccc tctgccacca ttgggaaccg 180
148 ggcagtgcgt acatgcttag aacaagatgg ttccccaccc tctgaataca cctggttcaa 240
149 agatgggata gtatgccta cgaatccaa aagcacccgt gccttcagca actttccta 300
150 tgcctgaaat cccacaacag gagagcttgtt ctttgatccc ctgtcagcct ctgataactgg 360
151 agaatacagc tgtgaggcac ggaatggta

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153 <210> SEQ ID NO: 4

154 <211> LENGTH: 726

155 <212> TYPE: DNA

156 <213> ORGANISM: Artificial Sequence

158 <220> FEATURE:

159 <223> OTHER INFORMATION: Artificial sequence

161 <400> SEQUENCE: 4

```

162 tctcagtccc ctcgctgttag tcgcggagct gtgttctgtt tcccaaggagt cttcggcgg 60
163 ctgttgcgt caggcgcc tgatcgcat gggacaaag gcgcaagctc gagagggaaac 120
164 tgggtgcct cttcatattg gcgatccgt tggctccct ggcattggc agtggtag 180
165 ttgcacttctt ctgaacctga agtcagaatt cctgagaata atcctgtgaa gttgtccctgt 240
166 gcctactcgg gctttcttc tccccgtgtg gagtgaaagt ttgaccaagg agacaccacc 300
167 agactcggtt gctataataa caagatcaca gcttcctatg aggacccgggt gaccttcttg 360

```

pls explain source of genetic material  
INVALID response

pls explain source of genetic material  
INVALID response

INVALID response

Pls see item # II on error summary sheet.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,220A

DATE: 04/06/2005

TIME: 14:13:57

Input Set : A:\39780-1216.TXT

Output Set: N:\CRF4\04062005\J785220A.raw

168 ccaactggta tcaccccaa gtccgtgaca cgggaagaca ctgggacata cacttgtatg 420  
 169 gtctctgagg aaggcgca cagctatggg gaggtcaagg tcaagctcat cgtgcttgc 480  
 170 cctccatcca agcctacagt taacatcccc tcctctgcca ccattggaa cggggcagtg 540  
 171 ctgacatgct cagaacaaga tggttcccc ccttctgaat acacctggg caaatggg 600  
 172 atagtatgc ctacaaatcc caaaaggacc cgtgccttca gcaactttc ctatgtcctg 660  
 173 aatcccacaa caggagagct ggtcttgat cccctgttag cctctgatac tggagaatac 720  
 174 agctgt 726  
 176 <210> SEQ ID NO: 5  
 177 <211> LENGTH: 1503  
 178 <212> TYPE: DNA  
 179 <213> ORGANISM: Artificial Sequence  
 181 <220> FEATURE:  
 182 <223> OTHER INFORMATION: Artificial sequence  
 184 <400> SEQUENCE: 5

185 gcaggcaaa taccaggccc gcctgcattt gagccacaag gttccaggag atgtatccct 60  
 186 ccaattgagc accctggaga tggatgaccg gagccactac acgtgtgaag tcacccggca 120  
 187 gactcctgat ggcaaccaag tcgtgagaga taagattact gagctccgtg tccagaaaact 180  
 188 ctctgtctcc aagcccacag tgacaactgg cagcggttat ggcttcacgg tgccccaggg 240  
 189 aatgaggatt agcattcaat gccagggttc ggggttctcc tcccatcagt tatatttgg 300  
 190 ataagcaaca gactaataac cagggAACCC atcaaagttag caaccctaag taccttactc 360  
 191 ttcaagcctg cggtgatagc cgactcaggc tcctatttct gcactgc当地 gggccagggtt 420  
 192 ggctctgagc agcacagcga cattgtgaag tttgtgtca aagactcctc aaagctactc 480  
 193 aagaccaaga ctgaggcacc tacaaccatg acataccct taaaaagcaac atttacagt 540  
 194 aagcagtctt gggactggac cactgacatg gatggctacc ttggagagac cagtgc当地 600  
 195 ccagggaaaga gcctgcctgt ctttgc当地 atcctcatca ttccttgc当地 ctgtatgg 660  
 196 gtttttacca tggcttatcatgctctt cggaaagacat cccaaacaaa gcatgtctac 720  
 197 gaagcagcca gggcacatgc cagagaggcc aacgactctg gaaaaaccat ggggtggcc 780  
 198 atcttcgcaa gtggctgctc cagtgtatgg ccaacttccc agaatctgg gcaacaacta 840  
 199 ctctgtatgg ccctgc当地 gacaggagta ccagatcatc gcccagatca atggcaacta 900  
 200 cggccgc当地 ctggacacag ttcctctgga ttatgagtt ctggccactg agggcaaaag 960  
 201 tgtctgttaa aaatgccccca tttaggccagg atctgctgac ataattgc当地 agtcagtctt 1020  
 202 tgccttctgc atggccttct tccctgctac ctctttctt ggatagccccca aagtgtccgc 1080  
 203 ctaccaacac tggagccgct gggagtcact ggcttgc当地 tggaaatttgc cagatgc当地 1140  
 204 tcaagtaagc cagctgctgg atttggctt gggcccttct agtatctctg ccgggggctt 1200  
 205 ctggtaatcc tctctaaata ccagaggaa gatgcccata gcactaggac ttggctatca 1260  
 206 tgcctacaga cactattcaa ctttggctac ttggccaccag aagaccggag gggaggctca 1320  
 207 gctctgccag ctcagaggac cagctatatac caggatcatt tcttttctt cagggccaga 1380  
 208 cagttttaa ttgaaattgt tatttcacag gccagggttc agttctgctc ctccactata 1440  
 209 agtctaatgt tctgactctc tcctgggtct caataatata ctaatcataa cagcaaaaaa 1500  
 210 aaa  
 212 <210> SEQ ID NO: 6  
 213 <211> LENGTH: 319  
 214 <212> TYPE: PRT  
 215 <213> ORGANISM: Homo sapiens  
 217 <400> SEQUENCE: 6

218 Met Val Gly Lys Met Trp Pro Val Leu Trp Thr Leu Cys Ala Val Arg  
 219 1 5 10 15  
 220 Val Thr Val Asp Ala Ile Ser Val Glu Thr Pro Gln Asp Val Leu Arg  
 221 20 25 30

See error explanation  
 See item  
 Invalid response #1 on  
 error summary  
 sheet.

The type of errors shown exist throughout  
 the Sequence Listing. Please check subsequent  
 sequences for similar errors.

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,220A

DATE: 04/06/2005

TIME: 14:13:57

Input Set : A:\39780-1216.TXT

Output Set: N:\CRF4\04062005\J785220A.raw

222 Ala Ser Gln Gly Lys Ser Val Thr Leu Pro Cys Thr Tyr His Thr Ser  
 223 35 40 45  
 224 Thr Ser Ser Arg Glu Gly Leu Ile Gln Trp Asp Lys Leu Leu Leu Thr  
 225 50 55 60  
 226 His Thr Glu Arg Val Val Ile Trp Pro Phe Ser Asn Lys Asn Tyr Ile  
 227 65 70 75 80  
 228 His Gly Glu Leu Tyr Lys Asn Arg Val Ser Ile Ser Asn Asn Ala Glu  
 229 85 90 95  
 230 Gln Ser Asp Ala Ser Ile Thr Ile Asp Gln Leu Thr Met Ala Asp Asn  
 231 100 105 110  
 232 Gly Thr Tyr Glu Cys Ser Val Ser Leu Met Ser Asp Leu Glu Gly Asn  
 233 115 120 125  
 234 Thr Lys Ser Arg Val Arg Leu Leu Val Leu Val Pro Pro Ser Lys Pro  
 235 130 135 140  
 236 Glu Cys Gly Ile Glu Gly Glu Thr Ile Ile Gly Asn Asn Ile Gln Leu  
 237 145 150 155 160  
 238 Thr Cys Gln Ser Lys Glu Gly Ser Pro Thr Pro Gln Tyr Ser Trp Lys  
 239 165 170 175  
 240 Arg Tyr Asn Ile Leu Asn Gln Glu Gln Pro Leu Ala Gln Pro Ala Ser  
 241 180 185 190  
 242 Gly Gln Pro Val Ser Leu Lys Asn Ile Ser Thr Asp Thr Ser Gly Tyr  
 243 195 200 205  
 244 Tyr Ile Cys Thr Ser Ser Asn Glu Glu Gly Thr Gln Phe Cys Asn Ile  
 245 210 215 220  
 246 Thr Val Ala Val Arg Ser Pro Ser Met Asn Val Ala Leu Tyr Val Gly  
 247 225 230 235 240  
 248 Ile Ala Val Gly Val Val Ala Ala Leu Ile Ile Ile Gly Ile Ile Ile  
 249 245 250 255  
 250 Tyr Cys Cys Cys Arg Gly Lys Asp Asp Asn Thr Glu Asp Lys Glu  
 251 260 265 270  
 252 Asp Ala Arg Pro Asn Arg Glu Ala Tyr Glu Glu Pro Pro Glu Gln Leu  
 253 275 280 285  
 254 Arg Glu Leu Ser Arg Glu Arg Glu Glu Asp Asp Tyr Arg Gln Glu  
 255 290 295 300  
 256 Glu Gln Arg Ser Thr Gly Arg Glu Ser Pro Asp His Leu Asp Gln  
 257 305 310 315  
 260 <210> SEQ ID NO: 7  
 261 <211> LENGTH: 2181  
 262 <212> TYPE: DNA  
 263 <213> ORGANISM: Homo sapiens  
 265 <400> SEQUENCE: 7  
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 267 tttgaggcctc tttggtagca ggaggctgga agaaaggaca gaagtagctc tggctgtat 120  
 268 ggggatctta ctgggcctgc tactcctggg gcacctaaca gtggacactt atggccgtcc 180  
 269 catcctggaa gtgccagaga gtgtAACAGG accttgaaa ggggatgtga atcttcctg 240  
 270 cacctatgac cccctgcaag gctacaccca agtcttgggt aagtggctgg tacaacgtgg 300  
 271 ctcagaccct gtcaccatct ttctacgtga ctcttctgaa gaccatatcc agcaggcaaa 360  
 272 gtaccaggc cgcctgcatg tgagccacaa ggttccagga gatgtatccc tccaaattgag 420  
 273 caccctggag atggatgacc ggagccacta cacgtgtcaa gtcacctggc agactcctga 480

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/785,220A

DATE: 04/06/2005

TIME: 14:13:58

Input Set : A:\39780-1216.TXT

Output Set: N:\CRF4\04062005\J785220A.raw